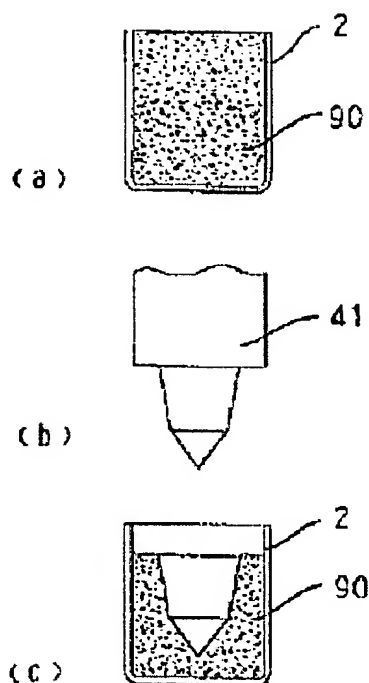


MANUFACTURE OF SOLID ELECTROLYTIC CAPACITOR

Patent number: JP7183172
Publication date: 1995-07-21
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Classification:
- international: H01G9/028; H01G9/00
- european:
Application number: JP19930324121 19931222
Priority number(s):

Abstract of JP7183172

PURPOSE: To uniformly melt an powdery organic semiconducting material filling up a capacitor case in a short time by heating and melting the material after pressing and shaping the material to have a recessed cross section.
CONSTITUTION: An aluminum capacitor case 2 is filled up with an organic semiconductor composed of TCNQ complex salt as an electrolyte in a 90-% powder state. After filling, the complex salt is pressed and shaped to have a recessed cross section by using a stamp 41 having a V-shaped tip. Then the case 2 is put in a high-frequency coil and the case 2 is caused to generate heat with an induced current and the powdery TCNQ is melted by energizing the coil. Finally, a solid electrolytic capacitor is obtained by dipping capacitor elements in the molten TCNQ complex salt. Therefore, the characteristic deterioration of the TCNQ complex salt can be suppressed and the characteristics of the solid electrolytic capacitor can be improved, because the complex salt can be heated and melted in a short time.



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